

## WEST Search History

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DATE: Sunday, March 19, 2006

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L3	L2 and "Lactococcus lactis"	4
<input type="checkbox"/>	L2	"Bifidobacterium" and "siderophore"	17
		<i>DB=USPT; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L1	6746672.pn.	1

END OF SEARCH HISTORY

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DATE: Sunday, March 19, 2006

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L3	L1	4
		<i>DB=USPT; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L2	"Bifidobacterium" and "dipyridyl"	1
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L1	"Bifidobacterium" and "dipyridyl"	4

END OF SEARCH HISTORY

=> d 13 4 ab

L3 ANSWER 4 OF 5 PASCAL COPYRIGHT 2006 INIST-CNRS. ALL RIGHTS RESERVED. on  
STN

AB A competitive exclusion (CE) culture of chicken cecal anaerobes has been developed and used in this laboratory for control of Salmonella typhimurium in chickens. The CE culture consists of 29 different species of microorganisms, and is known as CF3. Detection of one of the CF3 bacteria, Eubacteria, and S. typhimurium were demonstrated using a commercial immunomagnetic (IM) electrochemiluminescence (ECL) sensor, the ORIGEN.sup.® Analyzer. Analysis was achieved using a sandwich immunoassay. Bacteria were captured on antibody-conjugated 280 micron sized magnetic beads followed by binding of reporter antibodies labeled with ruthenium (II) tris(dipyridyl) chelate (Ru(bpy).sub.3.sup.2.sup.+). The magnetic beads were then trapped on an electrode in the reaction cell of the ORIGEN.sup.® Analyzer by a magnet, and the ECL was evoked from Ru(bpy).sub.3.sup.2.sup.+ on the tagged reporter antibodies by an electrical potential at the electrode. Preliminary IM-ECL assays with Eubacteria yielded a detection limit of 10.sup.5 cfu/mL. Preliminary IM-ECL assays with S. typhimurium yielded a similar detection limit of 10.sup.5 cfu/mL.

=> d 13 5 ab

L3 ANSWER 5 OF 5 MEDLINE on STN

DUPLICATE 3

AB Bifidobacterium bifidus var. Pennsylvanicus, a microaerophilic anaerobe, was grown in the presence of several potential growth inhibitors with the aim of defining its growth requirements and metabolic peculiarities. The following had no effect on its growth: citrate, serum transferrin, serum albumin, colchicine, fluoro-acetate, malonate, and rotenone. The following substances inhibited the growth: fluoride, azide, arsenite, 2, 4-dinitrophenol, hemin, hemoglobin, lactoferrin, alpha, alpha'-bipyridyl, and 8-hydroxyquinoline. Ferrous iron was able to negate the inhibition achieved by alpha, alpha'-bipyridyl, and 8-hydroxyquinoline. It is concluded that iron, probably in its ferrous state, is an obligatory nutrient for the microorganism, and that iron-porphyrin system(s) may be essential for the metabolism of this organism. Because the microorganisms contained in addition to iron large quantities of Mn, Zn, and Cu, it is likely that these metalloelements are crucial for the normal growth of the organism. Growth inhibition by fluoride indicates that Mg-dependent enzymes may also be present in the microorganism.

=> d hist

(FILE 'HOME' ENTERED AT 20:49:09 ON 19 MAR 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 20:49:41 ON 19 MAR 2006  
SEA DIPYRIDYL AND BIFIDOBACTERIUM

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1 FILE IFIPAT  
1 FILE MEDLINE  
1 FILE PASCAL  
1 FILE TOXCENTER  
3 FILE USPATFULL  
1 FILE USPAT2

L1 QUE DIPYRIDYL AND BIFIDOBACTERIUM

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FILE 'IFIPAT, MEDLINE, TOXCENTER, USPATFULL' ENTERED AT 20:50:52 ON 19 MAR 2006

FILE 'IFIPAT, MEDLINE, PASCAL, TOXCENTER, USPATFULL, USPAT2' ENTERED AT

20:51:05 ON 19 MAR 2006

L2 8 S L1  
L3 5 DUP REM L2 (3 DUPLICATES REMOVED)

=> d hist

(FILE 'HOME' ENTERED AT 20:49:09 ON 19 MAR 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 20:49:41 ON 19 MAR 2006  
SEA DIPYRIDYL AND BIFIDOBACTERIUM

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1 FILE IFIPAT  
1 FILE MEDLINE  
1 FILE PASCAL  
1 FILE TOXCENTER  
3 FILE USPATFULL  
1 FILE USPAT2

L1 QUE DIPYRIDYL AND BIFIDOBACTERIUM  
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FILE 'IFIPAT, MEDLINE, TOXCENTER, USPATFULL' ENTERED AT 20:50:52 ON 19 MAR 2006

FILE 'IFIPAT, MEDLINE, PASCAL, TOXCENTER, USPATFULL, USPAT2' ENTERED AT 20:51:05 ON 19 MAR 2006

L2 8 S L1  
L3 5 DUP REM L2 (3 DUPLICATES REMOVED)

=> d l3 1-5

L3 ANSWER 1 OF 5 IFIPAT COPYRIGHT 2006 IFI on STN DUPLICATE 1  
AN 10683993 IFIPAT;IFIUDB;IFICDB  
TI BIFIDOBACTERIA AND SIDEROPHORES PRODUCED THEREBY AND METHODS OF USE  
IN O'Sullivan Daniel J  
PA Minnesota, University of Regents (56024)  
PI US 2004191233 A1 20040930  
AI US 2004-822533 20040412  
RLI US 2001-884894 20010619 DIVISION 6746672  
PRAI US 2000-212273P 20000619 (Provisional)  
FI US 2004191233 20040930  
US 6746672  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
CLMN 19

L3 ANSWER 2 OF 5 USPATFULL on STN  
AN 2004:227022 USPATFULL  
TI Microorganism coating components, coatings, and coated surfaces  
IN McDaniel, C. Steven, Austin, TX, UNITED STATES  
PA REACTIVE SURFACES, LTD. (U.S. corporation)  
PI US 2004175407 A1 20040909  
AI US 2004-792516 A1 20040303 (10)  
RLI Continuation of Ser. No. US 2003-655345, filed on 4 Sep 2003, PENDING  
PRAI US 2002-409102P 20020909 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 15385  
INCL INCLM: 424/423.000  
INCLS: 435/287.200  
NCL NCLM: 424/423.000  
NCLS: 435/287.200  
IC [7]  
ICM C12M001-34  
ICS A61F002-00  
IPCI C12M0001-34 [ICM,7]; A61F0002-00 [ICS,7]

IPCR A01N0063-00 [I,A]; A01N0063-00 [I,C]; A61F0002-00 [I,A];  
A61F0002-00 [I,C]; A61K0038-43 [I,C]; A61K0038-46 [I,A];  
A61K0038-48 [I,A]; A61K0039-00 [I,A]; A61K0039-00 [I,C];  
A61K0047-48 [I,A]; A61K0047-48 [I,C]; C09D0005-00 [I,A];  
C09D0005-00 [I,C]; C09D0007-12 [I,A]; C09D0007-12 [I,C];  
C12M0001-34 [I,A]; C12M0001-34 [I,C]; C12N0009-00 [I,A];  
C12N0009-00 [I,C]; C12N0009-14 [I,A]; C12N0009-14 [I,C];  
C12N0009-88 [I,A]; C12N0009-88 [I,C]; C12N0009-90 [I,A];  
C12N0009-90 [I,C]; C12N0011-00 [I,C]; C12N0011-08 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 3 OF 5 USPATFULL on STN DUPLICATE 2  
AN 2002:112591 USPATFULL  
TI Bifidobacteria and siderophores produced thereby and methods of use  
IN O'Sullivan, Daniel J., Plymouth, MN, UNITED STATES  
PI US 2002058326 A1 20020516  
US 6746672 B2 20040608  
AI US 2001-884894 A1 20010619 (9)  
PRAI US 2000-212273P 20000619 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 911  
INCL INCLM: 435/252.100  
INCLS: 424/093.400  
NCL NCLM: 424/093.400; 435/252.100  
NCLS: 435/252.100; 435/822.000  
IC [7]  
ICM A61K045-00  
ICS C12N001-20  
IPCI A61K0045-00 [ICM,7]; C12N0001-20 [ICS,7]  
IPCI-2 A01N0063-00 [ICM,7]; C12N0001-00 [ICS,7]; C12N0001-12 [ICS,7];  
C12N0001-20 [ICS,7]  
IPCR A23C0019-00 [I,C]; A23C0019-06 [I,A]; A23L0001-015 [I,A];  
A23L0001-015 [I,C]; A61K0035-66 [I,C]; A61K0035-74 [I,A];  
C07K0014-195 [I,A]; C07K0014-195 [I,C]  
  
L3 ANSWER 4 OF 5 PASCAL COPYRIGHT 2006 INIST-CNRS. ALL RIGHTS RESERVED. on  
STN  
AN 1999-0481891 PASCAL  
CP Copyright .COPYRGT. 1999 INIST-CNRS. All rights reserved.  
TIEN Detection of bacteria from a cecal anaerobic competitive exclusion  
culture with an immunoassay electrochemiluminescence sensor  
Pathogen detection and remediation for safe eating : Boston MA, 5  
November 1998  
AU BEIER R. C.; YOUNG C. R.; STANKER L. H.  
YUD-REN CHEN (ed.)  
CS Food Animal Protection Research Laboratory, Agricultural Research  
Service, U.S. Department of Agriculture, 2881 F & B Road, College  
Station, TX, 77845-4998, United States  
International Society for Optical Engineering, Bellingham WA, United  
States (patr.)  
SO SPIE proceedings series, (1999), 3544, 10-20, 45 refs.  
Conference: Pathogen detection and remediation for safe eating.  
Conference, Boston MA (United States), 5 Nov 1998  
ISSN: 1017-2653  
ISBN: 0-8194-3005-6  
DT Journal; Conference  
BL Analytic  
CY United States  
LA English  
AV INIST-21760, 354000084603060020  
  
L3 ANSWER 5 OF 5 MEDLINE on STN DUPLICATE 3  
AN 82049038 MEDLINE  
DN PubMed ID: 6794942  
TI The effect of metal chelators and other metabolic inhibitors on the growth  
of *Bifidobacterium bifidus* var. *Pennsylvanicus*.  
AU Bezkorovainy A; Topouzian N  
SO Clinical biochemistry, (1981 Jun) Vol. 14, No. 3, pp. 135-41.

Journal code: 0133660. ISSN: 0009-9120.  
CY Canada  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 198201  
ED Entered STN: 19900316  
Last Updated on STN: 19970203  
Entered Medline: 19820120